



P-6124

1/7

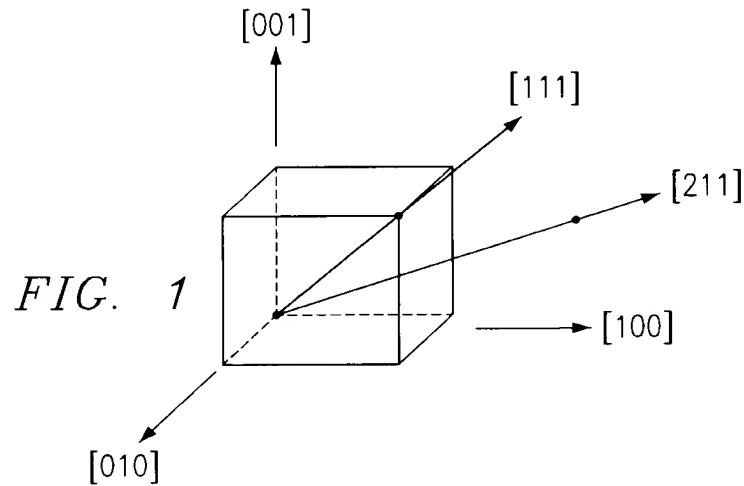


FIG. 1

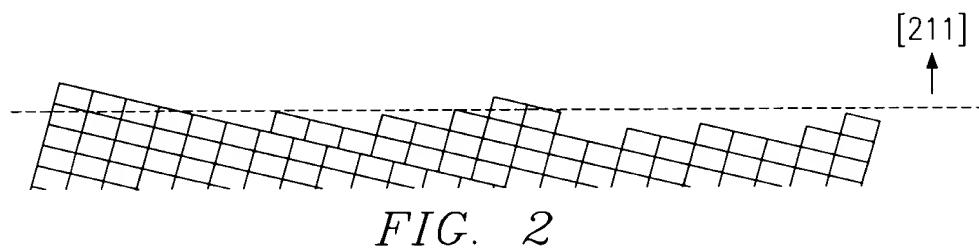


FIG. 2

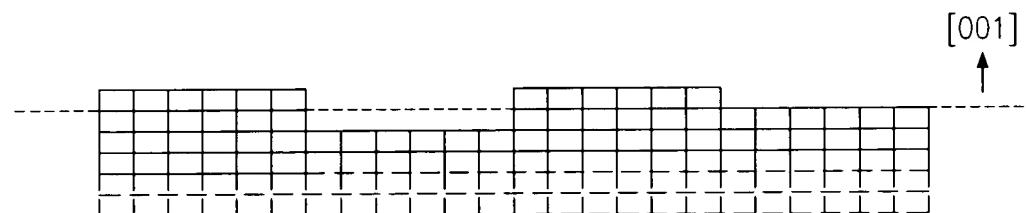


FIG. 3

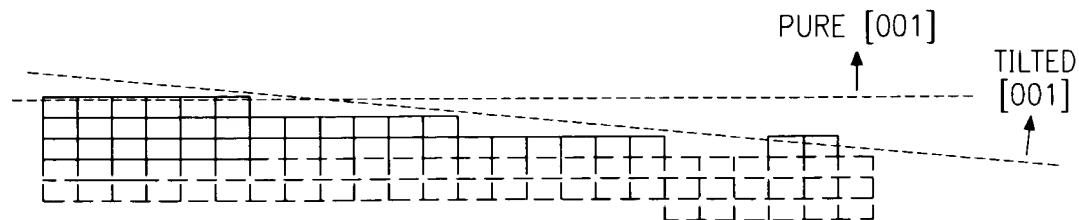


FIG. 4



P-6124

2/7

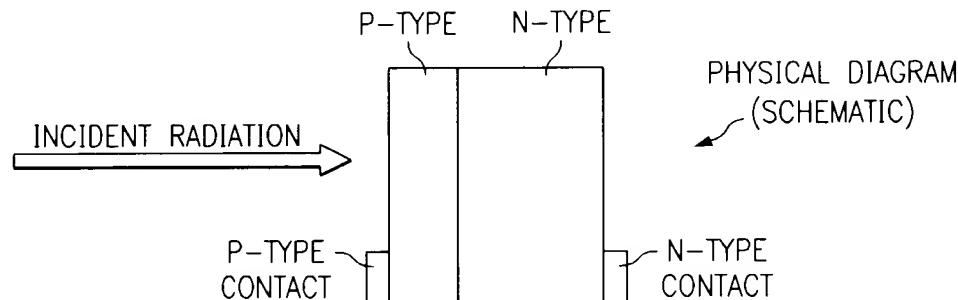


FIG. 5A

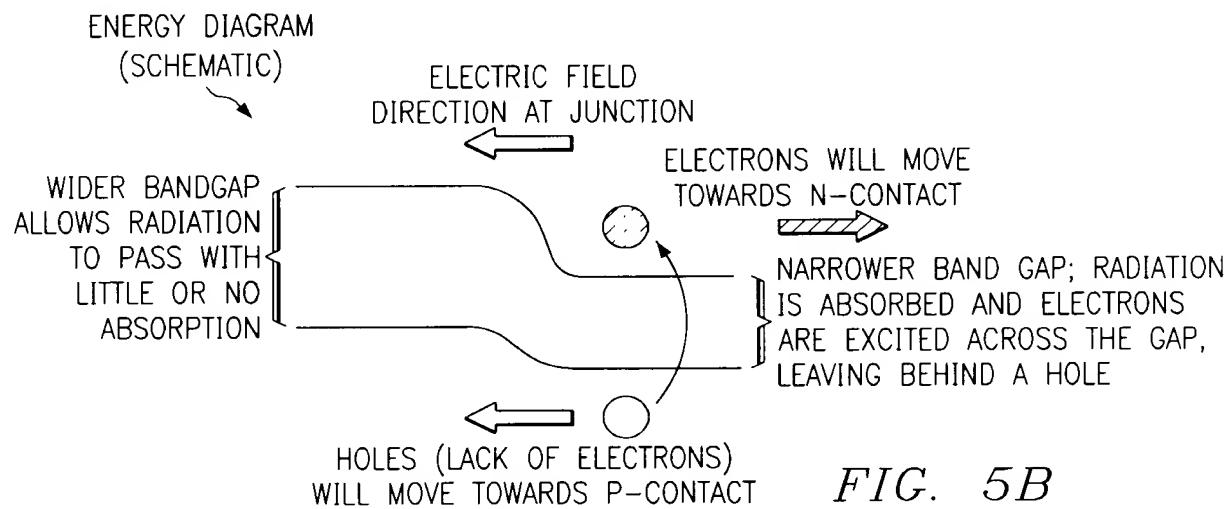


FIG. 5B

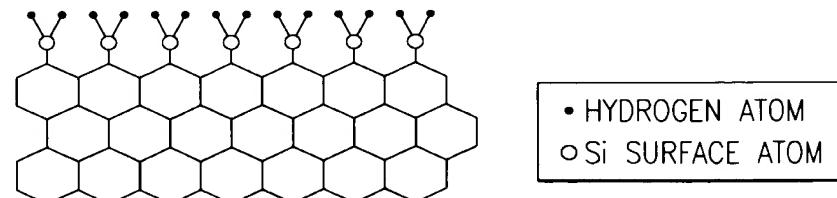
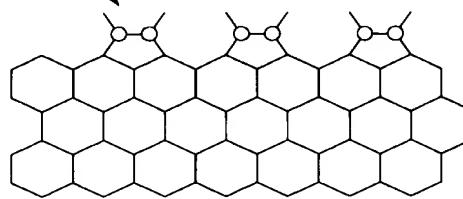


FIG. 6

FREE SURFACE
DANGLING BONDS

○ Si SURFACE ATOM

FIG. 7

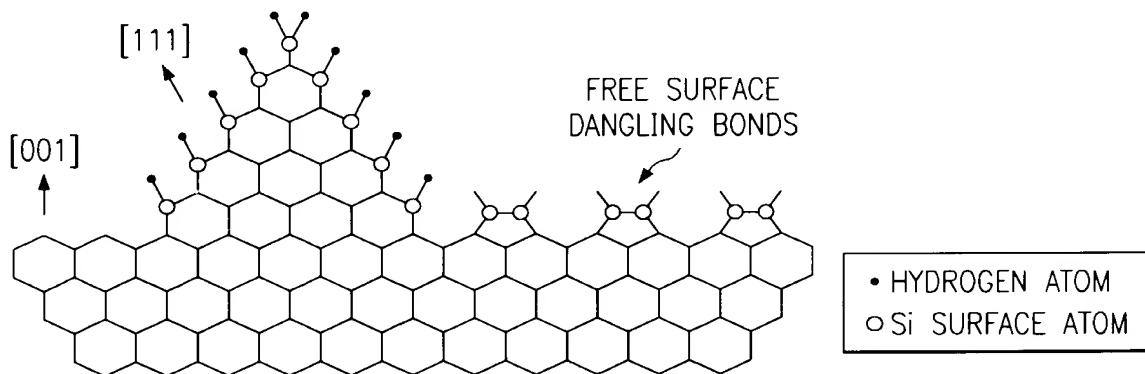
• HYDROGEN ATOM
○ Si SURFACE ATOM

FIG. 8

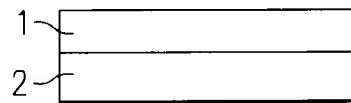


FIG. 9A

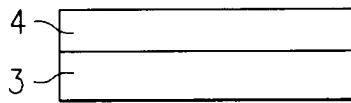


FIG. 9B

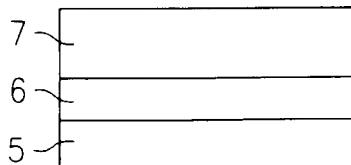


FIG. 9C



P-6124

4/7

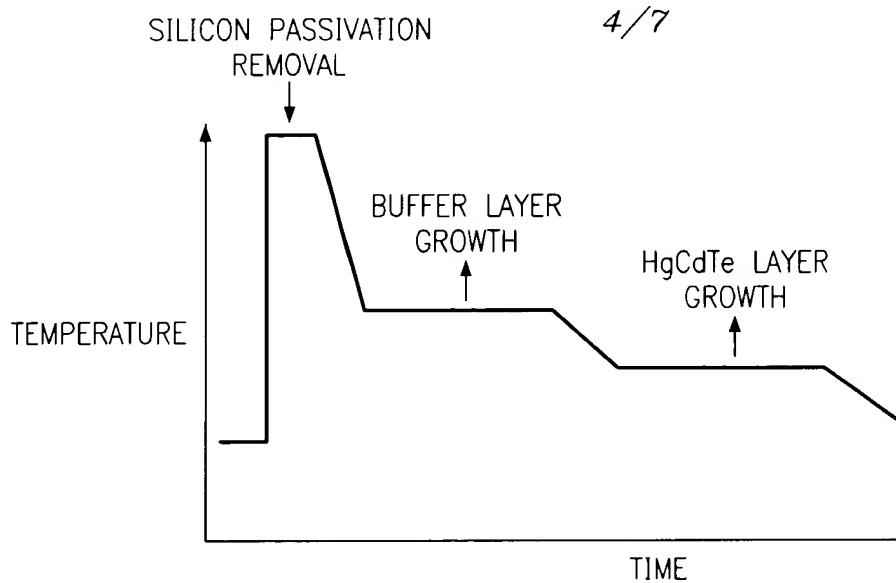


FIG. 10A

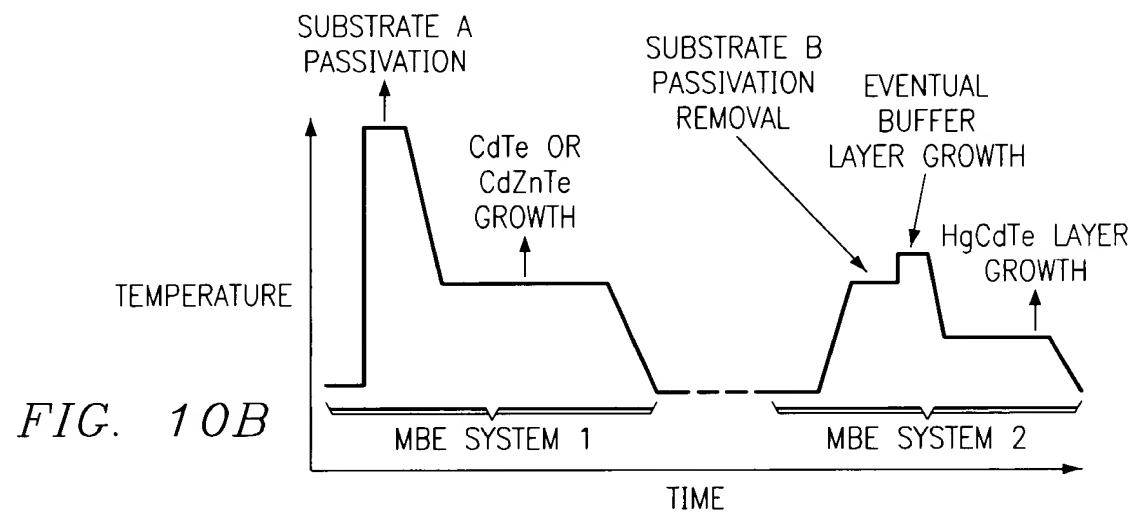


FIG. 10B

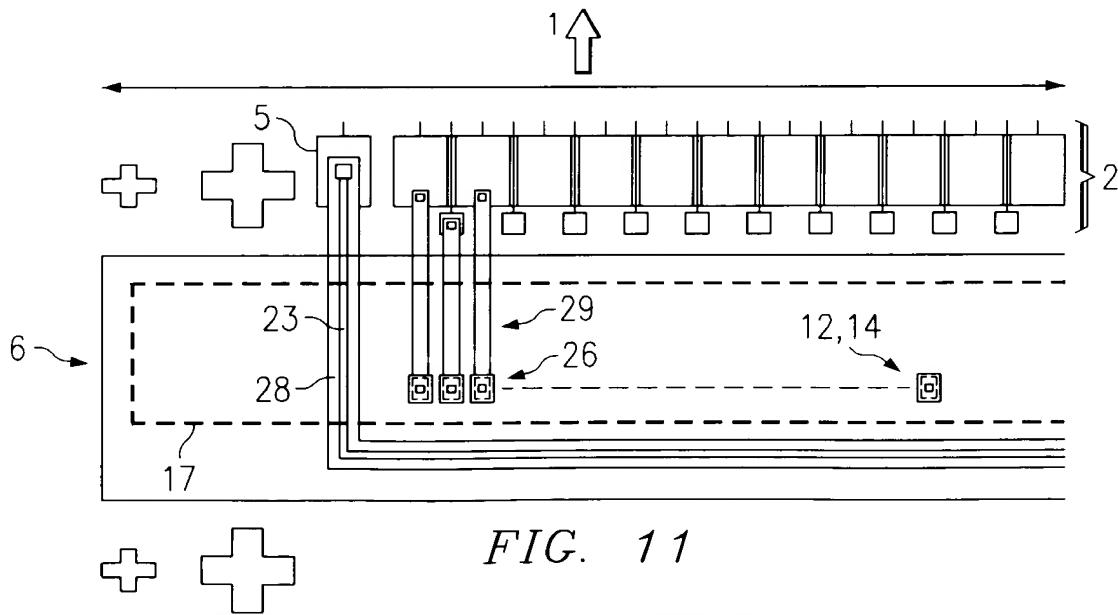


FIG. 11



P-6124

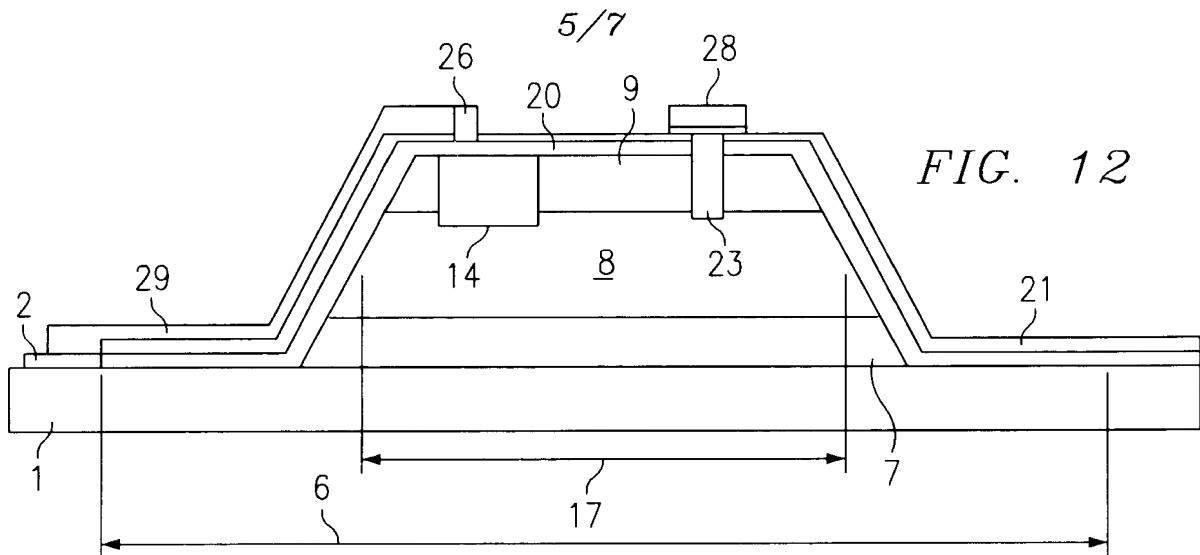


FIG. 12

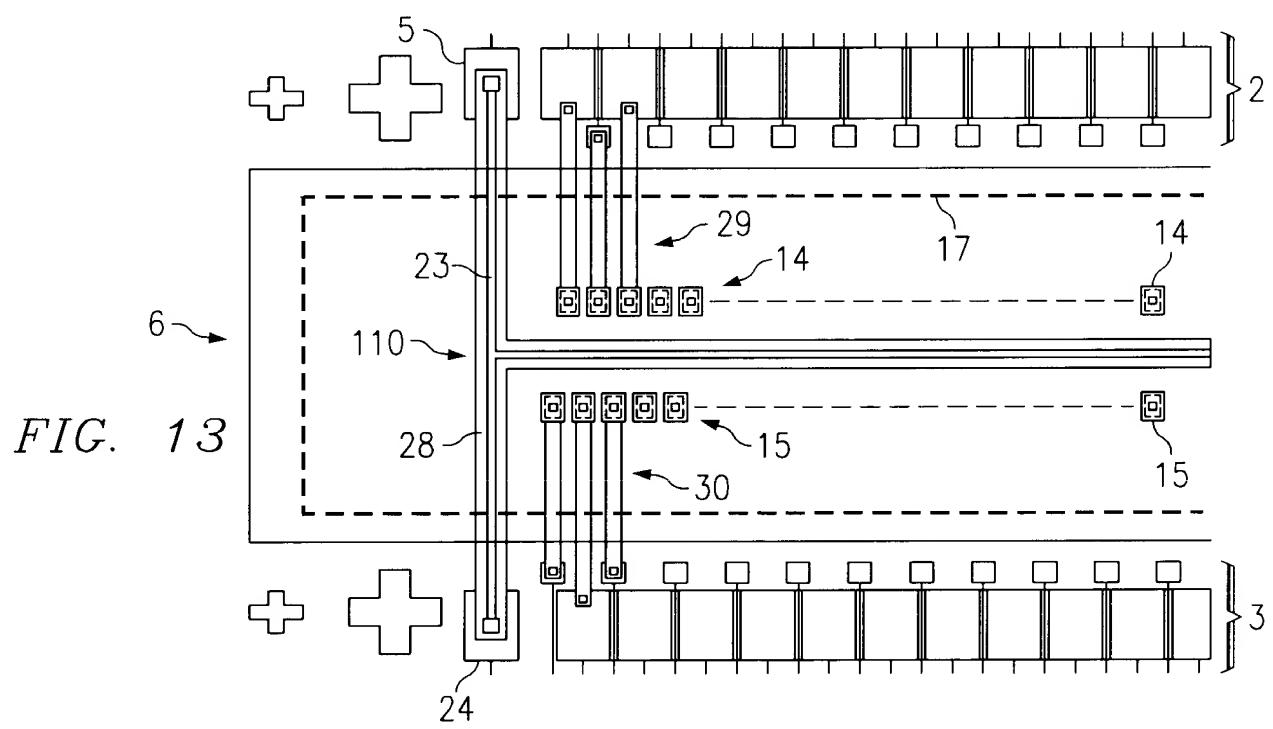
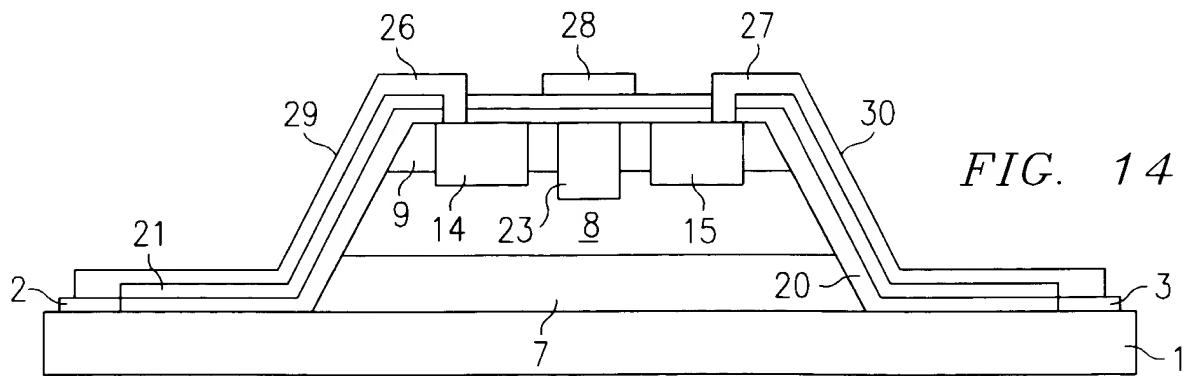


FIG. 13





P-6124

6/7

FIG.

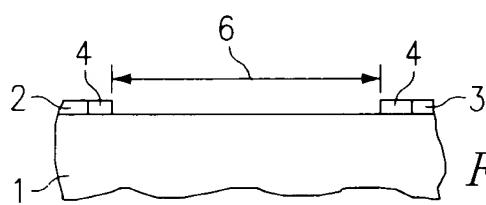


FIG. 15A

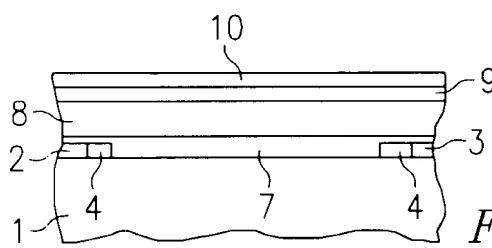


FIG. 15B

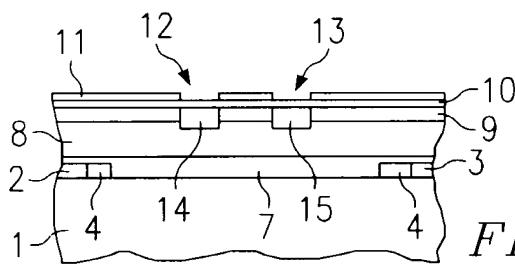


FIG. 15C

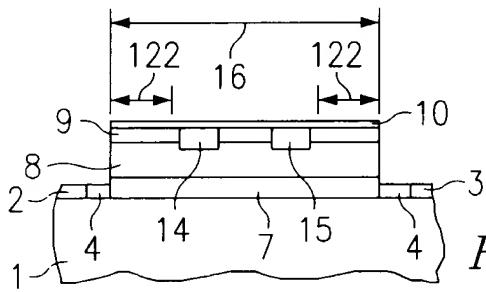


FIG. 15D

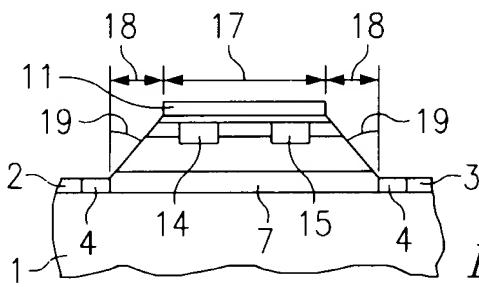


FIG. 15E

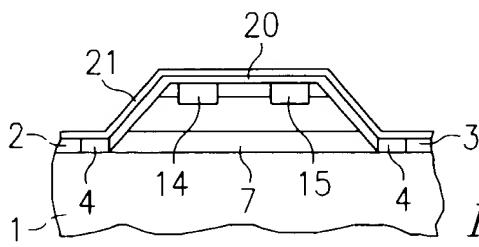


FIG. 15F

FIG.

FIG.

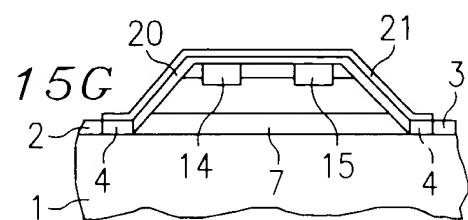


FIG. 15G

FIG.

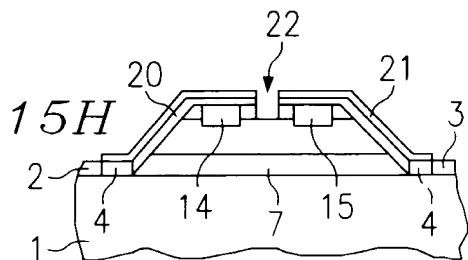


FIG. 15H

FIG.

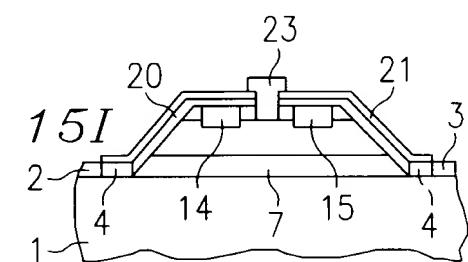


FIG. 15I

FIG.

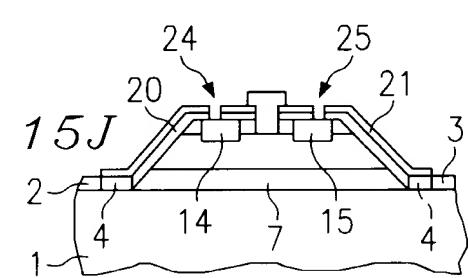


FIG. 15J

FIG.

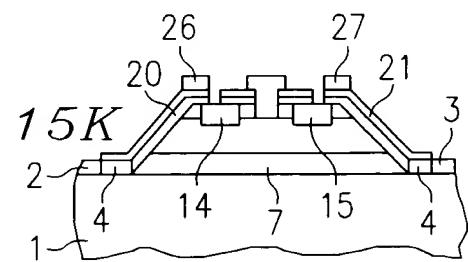


FIG. 15K

FIG.

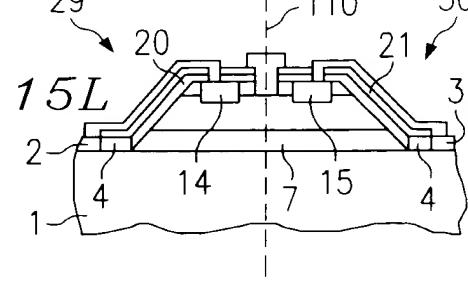


FIG. 15L



P-6124

7/7

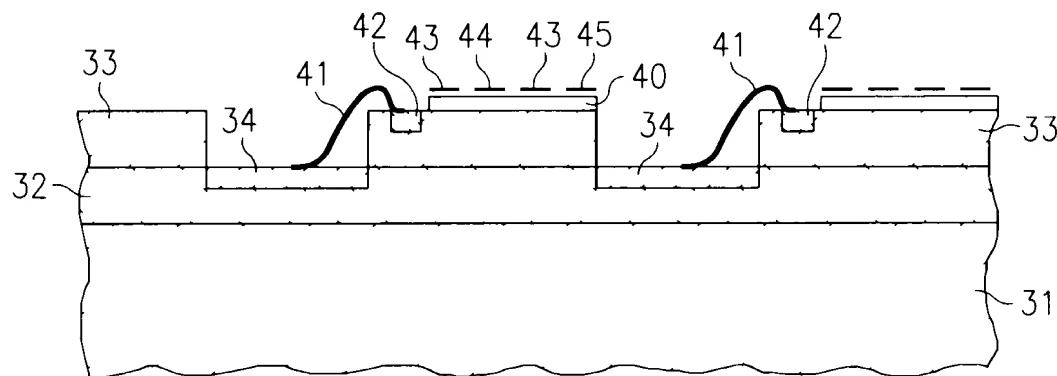


FIG. 16
(PRIOR ART)

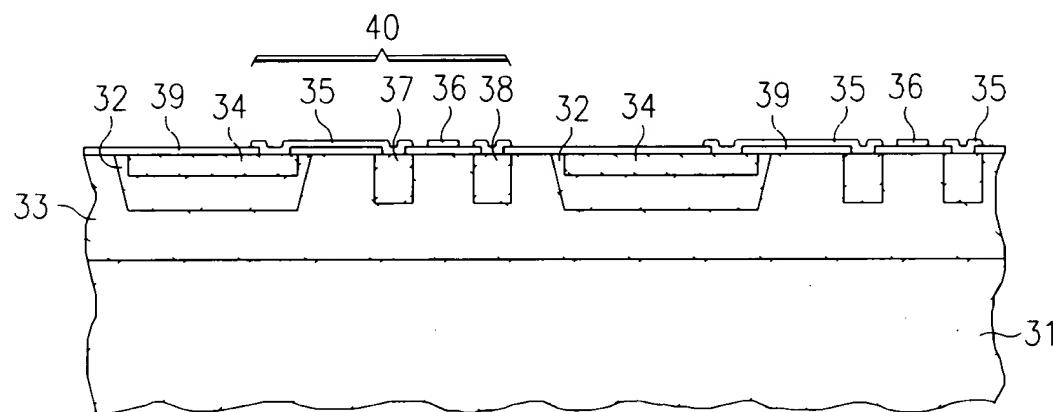


FIG. 17
(PRIOR ART)

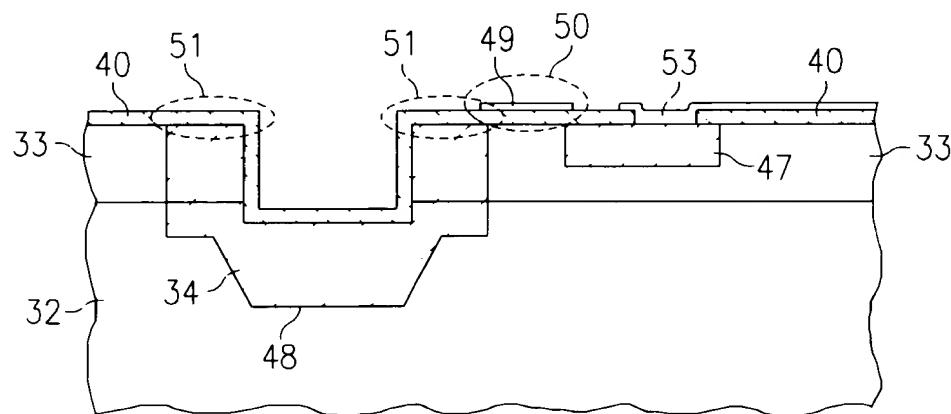


FIG. 18
(PRIOR ART)